

Claims

1. A plastic optical transmission medium, comprising:
a polymeric material comprising an additive which modifies the refractive index of the polymeric material, wherein the additive is selected from the class of methyl esters of perfluoro (poloxa) monocarboxylic acids.
2. The plastic optical transmission medium according to claim 31, wherein said additive is perfluoro 2,5,8-trimethyl-3,6,9-trioxadodecanoic acid, methyl ester (PTTME).
3. A plastic optical transmission medium, comprising:
a polymeric material comprising an additive which modifies the refractive index of the polymeric material, wherein the additive is selected from the class of methyl esters of perfluoro aliphatic monocarboxylic acids.
4. The plastic optical transmission medium according to claim 33, wherein said additive is methyl perfluorooctanate.
5. A method of modifying the refractive index of a plastic optical transmission medium, comprising:
preparing a polymeric material; and
adding an additive which modifies the refractive index of the polymeric material, wherein the additive is selected from the class of methyl esters of perfluoro (poloxa) monocarboxylic acids.
6. The method according to claim 35, wherein said additive is perfluoro 2,5,8-trimethyl-3,6,9-trioxadodecanoic acid, methyl ester (PTTME).
7. A method of modifying the refractive index of a plastic optical transmission medium, comprising:
preparing a polymeric material; and

adding an additive which modifies the refractive index of the polymeric material, wherein the additive is selected from the class of methyl esters of perfluoro aliphatic monocarboxylic acids.

8. The method according to claim 37, wherein said additive is methyl perfluorooctanate.